

Java / Spring Boot / PostgreSQL
C# / .NET Framework / MS SQL
Angular / Vue.js

Egor Nazarenko
Software Engineer

English Upper-Intermediate
Russian Native

EXPERIENCE

Software Engineer
Infotech LLC

Jul. 2015 - Jun. 2023 (8 years)
Russia (on-site, remote, full-time)

1. System for assigning social support measures to citizens by local social security authorities

ASOI (Aug. 2018 - Jun. 2023)

Java, Spring Boot, PostgreSQL, Angular

- Analyzed performance bottlenecks through profiling and optimized long-running operations, achieving execution time reductions between 40% and 300%.
- Developed a subsystem for automated processing of citizen requests, reducing the number of requests requiring manual intervention in decision making by 20% and laying the groundwork for future improvements in this metric.
- Designed a custom ETL process for seamless data migration across numerous tables in a third-party database, facilitating efficient data transfer.
- Implemented OAuth authorization through a third-party service and configured HTTPS for the project.
- Established an automated process for accumulating outgoing messages with deferred collection and batch sending, significantly reducing the load on the communication channel and the receiving system.

2. Web application associated with the maternal system, serving citizens, service providers, and social workers

SocPortal (Jun. 2021 - Jun. 2023)

Java, Spring Boot, PostgreSQL, Vue.js

- Enhanced the server-side of the parent system to provide secure access from the server of this project to the dedicated API segment of the related system.
- Improved the authorization and role management to facilitate seamless login processes for social workers, citizens, and organizations.
- Prepared the production environment for deploying the project on the customer's linux server.

3. Subsidy management system for the agricultural sector

APK23 (Feb. 2023 - Apr. 2023)

Java, Spring Boot, PostgreSQL, Angular

- Developed functionality to sign file attachments with electronic signatures on the client-side, with validating occurring on the server.

4. Intermediary software for interacting with external information systems

SMEV Adapter (Apr. 2016 - Jun. 2023)

C#, MSMQ, Web API, MS SQL, Angular

- Implemented over 80 outgoing and ingoing business logic message types, along with data converters, response handlers, and user interface forms.
- Mentored new developers during project onboarding, facilitating their smooth integration and understanding of the project.

5. Mobile application for offline work with parts of the main information system with deferred data synchronization

VetMobile (Jun. 2022 - Oct. 2022)

Java, C#, Xamarin.Android, SQLite

- Designed and built the initial version of the application, implementing all required functionalities. Crafted a well-organized project structure facilitating future development.
- Expanded a server's API of the main system to support a new custom authorization type for the mobile application.

6. A public passenger boat ticket sales website integrated with the existing system

River.Tickets (Sep. 2019 - Oct. 2019)

C#, Web API, MS SQL, Angular

- Led the project from initial client interaction and concept definition to detailed specifications. Collaborated effectively with bank internet acquiring support to ensure seamless integration, and performed the successful deployment to production.

7. Web application for managing a registry of municipal units and workers

Municipal Units v2 (Sep. 2018 - Mar. 2019)

C#, Web API, MS SQL, Angular

- Managed the migration of the project from a solution in Silverlight to an Angular frontend and Web API backend.

8. Passenger boat ticket booking and sales system

River (Mar. 2016 - Jul. 2018)

C#, WPF, MVVM, MS SQL

- Optimized database queries and coded a web service that operates efficiently with compressed data. This enabled system functionality on low-bandwidth network connections (around 56 kb/s), meeting the customer's specific requirements.

9. Registry of municipal units and workers

Municipal Units (Aug. 2015 - Dec. 2017)

C#, Silverlight, MVVM, MS SQL, Web API

- Coded a data mart service with a user-friendly web interface. Successfully demonstrated the service to the customer's acceptance committee, resulting in the successful acceptance of the project.
- Built an ETL module with a sophisticated interface for managing data changes from the main database to the data mart.

10. System for managing social services

USON (Jul. 2015 - Dec. 2017)

C#, WPF, MVVM, MS SQL

- Collaborated on the modernization of a legacy application by migrating it to the WPF/MVVM architecture, aligning it with the company's established development practices.

EDUCATION

Siberian State Technological University
Bachelor of Science in Software Engineering

Sep. 2011 - Jun. 2015
Krasnoyarsk, Russia